SEQUENCE LISTING

<110> Aventis Research & Technologies GmbH & Co KG

<120> Spliceosomal protein and its use

<130> 199at09

<140> PCT/EP00/03949
<141> 2000-05-03

<150> DE 19925668.3
<151> 1999-06-04

<160> 18

<170> PatentIn Ver. 2.1

<210> 1
<211> 18
<212> PRT
<213> Homo sapiens

<400> 1
Lys Met Asn Ala Arg Thr Tyr Met Asp Val Met Arg Glu Gln His Leu
1 5 10 15

Thr Lys

<210> 2
<211> 15
<212> PRT
<213> Homo sapiens

<400> 2
Lys Leu Thr Ala Thr Pro Thr Pro Leu Gly Gly Met Thr Gly Phe
1 5 10 15

<210> 3
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3
Lys Ala Ile Val Asn Val Ile Gly Met His
1 5 10

<210> 4
<211> 8
<212> PRT
<213> Homo sapiens

<400> 4
Lys Arg Ile Phe Glu Ala Phe Lys
1 5

<210> 5
<211> 12
<212> PRT
<213> Homo sapiens

<400> 5
Lys Leu Arg Arg Met Asn Arg Phe Thr Val Ala Glu
1 5 10

<210> 6
<211> 15
<212> PRT
<213> Homo sapiens

<400> 6
Lys Arg Thr Gly Ile Gln Glu Met Arg Glu Ala Leu Gln Glu Lys
1 5 10 15

<210> 7
<211> 12
<212> PRT
<213> Homo sapiens

<400> 7
Lys Leu Thr Ile His Gly Asp Leu Tyr Tyr Glu Gly
1 5 10

<210> 8
<211> 16
<212> PRT
<213> Homo sapiens

<400> 8
Lys Leu Gly Ala Val Phe Asn Gln Val Ala Phe Pro Leu Gln Tyr Thr
1 5 10 15

<210> 9
<211> 10
<212> PRT
<213> Homo sapiens

<400> 9
Lys Leu Leu Arg Val Tyr Asp Leu Gly Lys
1 5 10

<210> 10
<211> 16

<212> PRT
<213> Homo sapiens

<400> 10
Lys Asn Val Ser Glu Glu Leu Asp Arg Thr Pro Pro Glu Val Ser Lys
1 5 10 15

<210> 11
<211> 11
<212> PRT
<213> Homo sapiens

<400> 11
Lys Leu Glu Asn Ile Ala Gln Arg Tyr Ala Phe
1 5 10

<210> 12
<211> 13
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (8)

<400> 12
Lys Val Ser Glu Pro Leu Leu Xaa Glu Leu Phe Leu Gln
1 5 10

<210> 13
<211> 20
<212> PRT
<213> Homo sapiens

<400> 13
Lys Asp Arg Val Thr Gly Gln His Gln Gly Tyr Gly Phe Val Glu Phe
1 5 10 15

Leu Ser Glu Glu
20

<210> 14
<211> 7
<212> PRT
<213> Homo sapiens

<400> 14
Lys Glu Tyr Asp Pro Leu Lys
1 5

<210> 15
<211> 11

<212> PRT
<213> Homo sapiens

<400> 15
Lys Arg Trp Arg Thr Arg Val Trp Asp Asn Asp
1 5 10

<210> 16
<211> 22
<212> RNA
<213> Homo sapiens

<400> 16
auuuuccuua cucauaagdd dd 22

<210> 17
<211> 1067
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (214)..(954)

<400> 17
ctgacatcag gagtttgagg ccggcttgga acatggtgaa atcctgtctg tactagaaat 60

gcaaaaatta gctgggcgtg gtggtgtgtg tctgtgatcc cagctgctcg gcctcccaag 120

gtgctgggat tacaggcgtg agccaccgcg tctggcctca gccaaggttt ttaagtaaca 180

tatttcagca ttggctctac agcgttgcag aac atg aac gat tgg atg ccc atc 234
Met Asn Asp Trp Met Pro Ile
1 5

gcc aag gag tat gat cca ctc aaa gcg ggc agc att gat ggc acc gat 282
Ala Lys Glu Tyr Asp Pro Leu Lys Ala Gly Ser Ile Asp Gly Thr Asp
10 15 20

gaa gac cca cac gac cgc gcg gtc tgg agg gca atg ctg gca cga tat 330
Glu Asp Pro His Asp Arg Ala Val Trp Arg Ala Met Leu Ala Arg Tyr
25 30 35

gtc ccc aac aaa ggt gtc ata gga gat ccc ctc ctc acc ctg ttt gtg 378
Val Pro Asn Lys Gly Val Ile Gly Asp Pro Leu Leu Thr Leu Phe Val
40 45 50 55

gcc aga cta aac ttg cag acc aag gag gac aaa tta aag gaa gtc ttt 426
Ala Arg Leu Asn Leu Gln Thr Lys Glu Asp Lys Leu Lys Glu Val Phe
60 65 70

tcc cgc tat ggt gac atc cgg cgg ctt cgg ctg gtc agg gac ttg gtc 474
Ser Arg Tyr Gly Asp Ile Arg Arg Leu Arg Leu Val Arg Asp Leu Val
75 80 85

```
aca ggt ttt tca aag ggc tac gcc ttc atc gaa tac aag gag gag cgt   522
Thr Gly Phe Ser Lys Gly Tyr Ala Phe Ile Glu Tyr Lys Glu Glu Arg
         90                  95                 100

gcc gtg atc aaa gct tac cga gat gct gat ggc ctg gtt att gac cag   570
Ala Val Ile Lys Ala Tyr Arg Asp Ala Asp Gly Leu Val Ile Asp Gln
    105                 110                 115

cat gag ata ttt gtg gac tac gag ctg gaa agg act ctc aaa ggg tgg   618
His Glu Ile Phe Val Asp Tyr Glu Leu Glu Arg Thr Leu Lys Gly Trp
120                 125                 130                 135

atc cct cgg cga ctt gga ggc ggt ctt ggg gga aaa aag gag tct ggg   666
Ile Pro Arg Arg Leu Gly Gly Gly Leu Gly Gly Lys Lys Glu Ser Gly
                140                 145                 150

caa ctg aga ttt ggg gga cgg gac cgg cct ttt cga aaa cct att aac   714
Gln Leu Arg Phe Gly Gly Arg Asp Arg Pro Phe Arg Lys Pro Ile Asn
            155                 160                 165

ttg cca gtt gtt aaa aac gac ctc tat aga gag gga aaa cgg gaa agg   762
Leu Pro Val Val Lys Asn Asp Leu Tyr Arg Glu Gly Lys Arg Glu Arg
        170                 175                 180

cgg gag cga tct cga tcc cga gaa aga cac tgg gac tcg agg aca agg   810
Arg Glu Arg Ser Arg Ser Arg Glu Arg His Trp Asp Ser Arg Thr Arg
    185                 190                 195

gat cga gac cat gac agg ggc cgg gag aag aga tgg caa gaa aga gag   858
Asp Arg Asp His Asp Arg Gly Arg Glu Lys Arg Trp Gln Glu Arg Glu
200                 205                 210                 215

ccg acc agg gtg tgg ccc gac aat gac tgg gag aga gag agg gac ttc   906
Pro Thr Arg Val Trp Pro Asp Asn Asp Trp Glu Arg Glu Arg Asp Phe
                220                 225                 230

aga gat gac agg atc aag ggg agg gag aag aag gaa aga ggc aag tag   954
Arg Asp Asp Arg Ile Lys Gly Arg Glu Lys Lys Glu Arg Gly Lys
            235                 240                 245

aggcccaaca gcagaacccc aaagtgaagt tacagtggaa atgagtggag ggggattgtc 1014

tttcaacgca gcgtgagtct aatggttgaa taaaacttac tgatgatcaa aaa         1067
```

<210> 18
<211> 246
<212> PRT
<213> Homo sapiens

<400> 18

```
Met Asn Asp Trp Met Pro Ile Ala Lys Glu Tyr Asp Pro Leu Lys Ala
  1               5                  10                  15
Gly Ser Ile Asp Gly Thr Asp Glu Asp Pro His Asp Arg Ala Val Trp
             20                  25                  30
Arg Ala Met Leu Ala Arg Tyr Val Pro Asn Lys Gly Val Ile Gly Asp
         35                  40                  45
```

```
Pro Leu Leu Thr Leu Phe Val Ala Arg Leu Asn Leu Gln Thr Lys Glu
     50                  55                  60
Asp Lys Leu Lys Glu Val Phe Ser Arg Tyr Gly Asp Ile Arg Arg Leu
 65                  70                  75                  80
Arg Leu Val Arg Asp Leu Val Thr Gly Phe Ser Lys Gly Tyr Ala Phe
                 85                  90                  95
Ile Glu Tyr Lys Glu Glu Arg Ala Val Ile Lys Ala Tyr Arg Asp Ala
            100                 105                 110
Asp Gly Leu Val Ile Asp Gln His Glu Ile Phe Val Asp Tyr Glu Leu
        115                 120                 125
Glu Arg Thr Leu Lys Gly Trp Ile Pro Arg Arg Leu Gly Gly Gly Leu
    130                 135                 140
Gly Gly Lys Lys Glu Ser Gly Gln Leu Arg Phe Gly Gly Arg Asp Arg
145                 150                 155                 160
Pro Phe Arg Lys Pro Ile Asn Leu Pro Val Val Lys Asn Asp Leu Tyr
                165                 170                 175
Arg Glu Gly Lys Arg Glu Arg Arg Glu Arg Ser Arg Ser Arg Glu Arg
            180                 185                 190
His Trp Asp Ser Arg Thr Arg Asp Arg Asp His Asp Arg Gly Arg Glu
        195                 200                 205
Lys Arg Trp Gln Glu Arg Glu Pro Thr Arg Val Trp Pro Asp Asn Asp
    210                 215                 220
Trp Glu Arg Glu Arg Asp Phe Arg Asp Asp Arg Ile Lys Gly Arg Glu
225                 230                 235                 240
Lys Lys Glu Arg Gly Lys
                245
```